

**WHAT IS CLAIMED IS:**

- 1        1. A link lock system for a network, comprising:
  - 2              a computer;
  - 3              a network interface device to provide the computer with access to the network;
  - 5              a bus monitor to monitor a first link between the network interface device and the computer, where said bus monitor reports detected failures or intrusions; and
  - 8              a security switch to switch the first link from a non-secured mode to a secured mode when a report of said detected failures or intrusions is received from the bus monitor.
- 1        2. The system of claim 1, wherein said computer is a server.
- 1        3. The system of claim 1, wherein the network operates in a secured mode using an HTTP-S protocol.
- 1        4. The system of claim 1, wherein said non-secured mode of the first link between the network device and the computer uses HTTP protocol.

1       5. The system of claim 4, wherein said secured mode  
2 of the first link between the network device and the  
3 computer uses HTTP-S protocol.

1       6. The system of claim 1, further comprising:  
2            a controller that receives the report from the bus  
3 monitor and sends control signals to the network interface  
4 device, the security switch, and the computer.

1       7. The system of claim 6, further comprising:  
2            an encryption element in the computer, where said  
3 encryption element converts data placed on said first link  
4 to a secured protocol when the control signal is received  
5 from said controller.

1       8. A system for a server, comprising:  
2            an interface device to provide the server with access  
3 to a network; and  
4            a controller to monitor a link between the interface  
5 device and the server, where said controller switches the  
6 link from a non-secured protocol to a secured protocol when  
7 failures or intrusions are detected on the link.

1       9. The system of claim 8, wherein the network is  
2 Internet, such that the non-secured protocol includes HTTP  
3 and the secured protocol includes HTTP-S.

1       10. The system of claim 8, wherein said controller  
2 sends a control signal to the server when failures or  
3 intrusions are detected on the link.

1       11. The system of claim 10, further comprising:  
2           an encryption element in the server, where said  
3 encryption element converts data placed on said link by the  
4 server to a secured protocol when the control signal is  
5 received from said controller.

1       12. A method, comprising:  
2           monitoring a link between a network device and a  
3 computer;  
4           first directing the link to use a secured protocol when  
5 failures or intrusions are detected on the link; and  
6           second directing the link to revert to a non-secured  
7 protocol when said detected failures or intrusions have been  
8 corrected.

1       13. The method of claim 12, wherein said non-secured  
2 protocol includes HTTP protocol.

1           14. The method of claim 12, wherein said secured  
2 protocol includes HTTP-S protocol.

1           15. The method of claim 12, wherein the computer is a  
2 server.

1           16. An apparatus comprising a machine-readable storage  
2 medium having executable instructions that enable the  
3 machine to:

4           monitor a link between a network device and a server;  
5           first directing the link to use a secured protocol when  
6 failures or intrusions are detected on the link; and  
7           second directing the link to revert to a non-secured  
8 protocol when said detected failures or intrusions have been  
9 corrected.

1           17. The apparatus of claim 16, wherein said non-  
2 secured protocol includes HTTP protocol.

1           18. The apparatus of claim 16, wherein said secured  
2 protocol includes HTTP-S protocol.